

**Figure 1**

Figure 1 consists of two panels, (a) and (b), showing histograms of the number of non-zero elements in the matrix  $A$ . Panel (a) shows the distribution for  $n = 10^6$ , with the x-axis labeled "Number of non-zero elements" ranging from 0 to 100,000,000 and the y-axis labeled "Frequency" ranging from 0 to 10. The distribution is highly skewed towards zero, with a peak frequency of approximately 9 at 0 non-zero elements. Panel (b) shows the distribution for  $n = 10^7$ , with the x-axis labeled "Number of non-zero elements" ranging from 0 to 1,000,000,000 and the y-axis labeled "Frequency" ranging from 0 to 10. This distribution is also highly skewed towards zero, with a peak frequency of approximately 9 at 0 non-zero elements.

Ruth C Rodriguez

3677

[illegible]

INTERFERENCE SEARCHED			
Class	Subclass	Date	Examiner
Search	all above	8/28/2004	RCR

SEARCH NOTES (INCLUDING SEARCH STRATEGY)		
	DATE	EXMR
Performed inventor's search	10/22/2004	RCR
Performed back and forward search for all cited documents	10/25/2004	RCR
Performed EAST text search for the following terms: mov\$7, slid\$6, rotat\$6, setting, jewelry, ring, A44C017/00, A44C017/02	10/25/2004	RCR